

Amendments to the Claims:

Claims 13-31 are currently pending in the application.

Please amend claims 13, 14, 19-21, 26, 27, 30 and 31 as shown below.

Please cancel claims 15, 16 and 22, as shown below.

The following listing of claims 1-31 will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-12 (canceled)

Claim 13 (currently amended): A luminaire for illuminating an object, said luminaire comprising:

a first chamber for accommodating at least one tubular lamp; and

a second chamber defined by a light emission window, and a curtain, and a light transmitting side wall,

wherein, when that at least one tubular lamp is located within said first chamber, at least a portion of any light emitted by the at least one tubular lamp passes

through said curtain into said second chamber with a first homogenous light distribution, and

wherein at least a portion of any light passing into said second chamber passes through said light emitting window with a second homogenous light distribution.

Claim 14 (currently amended): The luminaire of claim 13,

wherein, when the at least one tubular lamp is located with said first chamber, a first portion of said curtain is directly opposite a first tubular lamp of the at least one tubular lamp and a second portion is diagonal from the first tubular lamp; and

wherein a first light transmittance of said first portion of said curtain is less than a second light transmittance of said second portion of said curtain.

Claim 15 (canceled)

Claim 16 (canceled)

Claim 17 (previously presented): The luminaire of claim 13,

wherein said curtain includes a calcium halophosphate material.

Claim 18 (previously presented): The luminaire of claim 13,

wherein said curtain includes a calcium pyrophosphate material.

Claim 19 (currently amended): The luminaire of claim 13,

wherein said curtain {21} includes a fluorocopolymer serving as a binder.

Claim 20 (currently amended): A luminaire for

illuminating an object, said luminaire comprising:

a first chamber for accommodating at least one tubular lamp; and

a second chamber defined by a light emission window and a carrier wall; and

a curtain disposed within said chamber,

wherein, when the at least one tubular lamp is located within said first chamber, at least a portion of any light emitted by the at least one tubular lamp passes through said carrier wall into said second chamber with a first homogenous light distribution, and

wherein at least a portion of any light passing into said second chamber passes through said light emitting window with a second homogenous light distribution, and

wherein a first portion of said curtain is spaced from said carrier wall and a second portion of said curtain is affixed to said carrier wall.

Claim 21 (currently amended): The luminaire of claim 22
20,

~~wherein a first portion of said curtain is spaced from said carrier wall and a second portion of said curtain is affixed to said carrier wall; and~~

wherein a first light transmittance of said first portion of said curtain is less than a second light transmittance of said second portion of said curtain.

Claim 22 (canceled)

Claim 23 (previously presented) : The luminaire of claim 20,

wherein said second chamber is further defined by a side wall including a light-transmitting material.

Claim 24 (previously presented) : The luminaire of claim 20,

wherein said curtain includes a calcium halophosphate material.

Claim 25 (previously presented) The luminaire of claim 20,

wherein said curtain includes a calcium pyrophosphate material.

Claim 26 (currently amended) : The luminaire of claim 20,

wherein said curtain (21) includes a fluorocopolymer serving as a binder.

Claim 27 (currently amended): A lighting system for illuminating an object, said lighting system comprising:

a first luminaire including a first homogenous light distribution chamber and a second homogenous light distribution chamber both defined by a first side wall, said second homogenous light distribution chamber further defined by a first light emission window;

a second luminaire including a third homogenous light distribution chamber and a fourth homogenous light distribution chamber both defined by a second side wall, said fourth homogenous light distribution chamber further defined by a second light emission window;

wherein, a first edge of said first light emission window lies against a second edge of said second light emission window; and

wherein said first side wall and said second side wall both include a light-transmitting material.

Claim 28 (previously presented): The lighting system of claim 27,

wherein said first side wall abuts said second side wall.

Claim 29 (previously presented) : The lighting system of claim 27,

wherein said first side wall and said second side wall are integrated to form one side wall.

Claim 30 (currently amended) : The lighting system of claim 27,

wherein said first luminaire includes a curtain disposed within said second homogenous light distribution chamber;

wherein, when at least one tubular lamp is located within said first homogenous light distribution chamber, at least a portion of any light emitted by the at least one tubular lamp passes through said curtain into said second homogenous light distribution chamber with a first homogenous light distribution; and

wherein at least a portion of any light passing into said second homogenous light distribution chamber passes through said first light emitting window with a second homogenous light distribution.

Claim 31 (currently amended): The lighting system of claim 27,

wherein said a second homogenous light distribution chamber is further defined by a carrier wall;

wherein, when ~~the~~ at least one tubular lamp is located within said first homogenous light distribution chamber, at least a portion of any light emitted by the at least one tubular lamp passes through said carrier wall into said second homogenous light distribution chamber with a first homogenous light distribution; and

wherein at least a portion of any light passing into said second homogenous light distribution chamber passes through said first light emitting window with a second homogenous light distribution.